Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/02/2017 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123851	-1	2.66	123626	2.59
Blue	F	SSC	125000	122972	-2	4.20	123169	3.92
Blue	E	FITC	23615	22694	-4	3.15	1013	10.79
Blue	D	PE	26739	26191	-3	2.78	942	10.54
Blue	B	PerCP-Cy5-5	48339	47100	-3	4.13	1355	17.74
Blue	A	PE-Cy7	45021	44327	-2	5.74	693	37.28
Red	C	APC	53064	51825	-3	2.87	2971	9.50
Red	A	APC-Cy7	57175	55948	-3	2.86	1164	11.68
Violet	B	V450	14728	14073	-5	5.33	673	9.70
Violet	A	V500	58621	56609	-4	5.13	2518	7.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16077	11.31	609	-5	N/A	N/A	Pass
Blue	F	SSC	60118	2.67	548	2	N/A	N/A	Pass
Blue	E	FITC	112	40.59	548	0	0.0193	164	Pass
Blue	D	PE	206	29.84	539	3	0.1363	197	Pass
Blue	B	PerCP-Cy5-5	211	47.86	636	1	0.0093	130	Pass
Blue	A	PE-Cy7	72	126.30	695	2	0.0106	12	Pass
Red	C	APC	348	28.05	596	-1	0.0204	91	Pass
Red	A	APC-Cy7	125	40.18	578	-2	0.0048	999	Pass
Violet	B	V450	82	42.83	466	-4	0.0470	2064	Pass
Violet	A	V500	182	25.33	494	-3	0.0148	1098	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-30.93	0.92
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	17.25	13.27 - 19.91	N/A	N/A	30.83	31.41	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9504

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments